

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
27 May 2004 (27.05.2004)

PCT

(10) International Publication Number
WO 2004/043816 A1

(51) International Patent Classification⁷: **B65D 35/44**
(21) International Application Number:
PCT/IB2002/004772

(22) International Filing Date:
13 November 2002 (13.11.2002)

(25) Filing Language: English

(26) Publication Language: English

(71) Applicant (for all designated States except US): **HOFFMANN NEOPAC AG** [CH/CH]; Eisenbahnstrasse 71, CH-3602 Thun (CH).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **FUCHS, Peter** [CH/CH]; Schlehdornweg 25, CH-3613 Steffisburg (CH).

(74) Agent: **E. BLUM & CO.**; Vorderberg 11, CH-8044 Zürich (CH).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

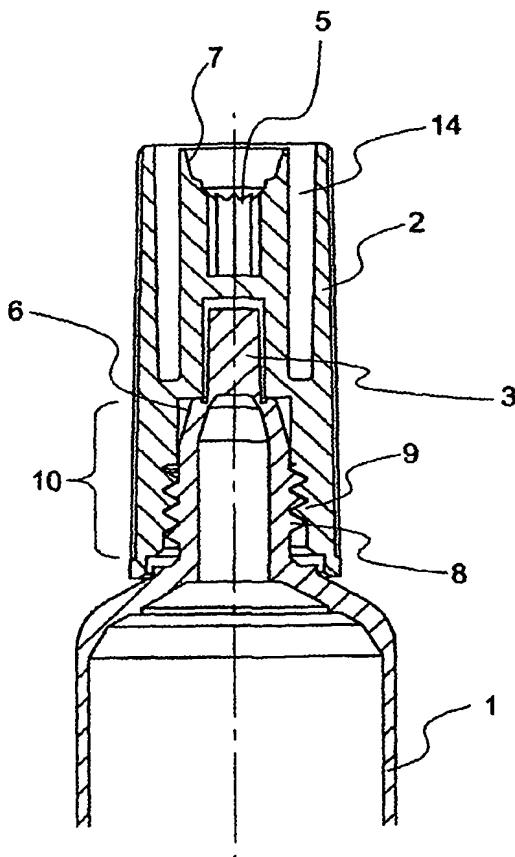
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

[Continued on next page]

(54) Title: TAMPER EVIDENT TUBE CLOSURE WITH TWIST-AWAY CENTRING



(57) Abstract: The tamper evident closure for a container (1) comprises a cap (2) on a spout (10). The inverted cap (2) can be used as a tool for removing a twist away element (3). Both, the cap (2) and the spout (10) have conic guiding surfaces (6, 7), which centre the cap (2) in respect to the spout (10), while it is moved towards and onto the spout (10). The initial opening the tamper evident closure is therefore easier.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.